

GFC

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Beth E. Drees, et al.		
Serial No.:	09/991,933	Patent No.	7,067,269
Filed:	November 26, 2001	Issue Date	June 27, 2006
For: ASSAYING APPARATUS, KIT, AND METHOD FOR LIPIDS AND ASSOCIATED ENZYMES		Attorney Docket:	007262-06 (Formerly ECH-001)

## CERTIFICATE OF MAILING

I hereby certify that this correspondence, along with any other document referred to as being attached or enclosed, is being filed via First Class Mail, by depositing it in the United States Mail with sufficient postage, and addressed to Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Nov. 22, 2006  
Date

Marilyn J. Morris  
Marilyn J. Morris

Attention: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

## REQUEST FOR CERTIFICATE OF CORRECTION UNDER § 1.322

Dear Sir:

A review of the issued patent reveals that some of the prior art references were not published in the issued patent. Applicants respectfully request that the references listed as items A32, A33, and A34 in the list of prior art cited by the Applicants, and initialed by the Examiner (Gray et al., Kavran et al. and Piccione et al.), be added by a certificate of correction. A copy of the initialed references from the file history is enclosed.

A certificate of correction (Form PTO/SB/44) is enclosed, noting the corrections needed. Applicants request that the attached certificate of correction be issued and that a copy of same be sent to the undersigned.

Patent No. 7,067,269  
Serial No. 09/991,933  
Agent Ref. 007262-06

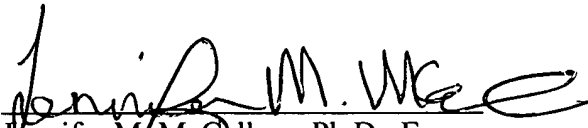
1

**Certificate**  
NOV 29 2006  
**of Correction** DEC - 1 2006

It is believed that no fee is due. However, if fee is required, the undersigned authorizes the charge to be applied to Deposit Account No. 502679.

Respectfully Submitted,

11/21/06  
Date

  
Jennifer M. McCallum, Ph.D., Esq.  
Registration No. 52,492  
The McCallum Law Firm, LLC.  
685 Briggs Street  
P.O. Box 929  
Erie, Colorado 80516  
Telephone: 303.828.0655  
Facsimile: 303.828.2938  
Customer No. 36,234



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

**\*BIBDATASHEET\***

CONFIRMATION NO. 8812

Bib Data Sheet

<b>SERIAL NUMBER</b> 09/991,933	<b>FILING OR 371(c) DATE</b> 11/26/2001 <b>RULE</b>	<b>CLASS</b> 435	<b>GROUP ART UNIT</b> 1641	<b>ATTORNEY DOCKET NO.</b> ECH-001
------------------------------------	---	---------------------	-------------------------------	---------------------------------------

**APPLICANTS**

Beth E. Drees, Salt Lake City, UT;  
 Glenn D. Prestwich, Salt Lake City, UT;  
 Paul O. Neilsen, Salt Lake City, UT;  
 Leena Chakravarty, Salt Lake City, UT;  
 Michael J. Mostert, Salt Lake City, UT;

**\*\* CONTINUING DATA \*\*\*\*\*****\*\* FOREIGN APPLICATIONS \*\*\*\*\*****IF REQUIRED, FOREIGN FILING LICENSE GRANTED****\*\* 12/12/2001**

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	<b>STATE OR COUNTRY</b> UT	<b>SHEETS DRAWING</b> 7	<b>TOTAL CLAIMS</b> 48	<b>INDEPENDENT CLAIMS</b> 4
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

**ADDRESS**


36234

**TITLE**

ASSAYING APPARATUS, KIT, AND METHOD FOR LIPIDS AND ASSOCIATED ENZYMES

<b>FILING FEE RECEIVED</b> 1628	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
		<input type="checkbox"/> 1.18 Fees ( Issue )
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit

NOV 27 2006

PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 22155	SERIAL NO. 09/991,933
		APPLICANT Beth E. Drees, et al			
		FILING DATE 11/26/2001	GROUP 1641		

LIST OF PRIOR ART CITED BY APPLICANT

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GC	A1	2002/0028477	03/07/02	Goueli, et al			
GC	A2	5,731,415	03.24.98	Gazzano-Santoro, et al			
GC	A3	5,741,689	04.21.98	Ohand, et al			
GC	A4	5,824,492	10.20.98	Hiles, et al			
GC	A5	5,846,824	12.08.98	Hiles, et al			
GC	A6	5,885,777	03.23.99	Stoyanov, et al			
GC	A7	5,948,664	09.07.99	Williams, et al			
GC	A8	5,955,277	09.21.99	Hansen, et al			
GC	A9	5,972,595	10.26.99	Kasila, et al			
GC	A10	6,001,354	12.14.99	Pot, et al			
GC	A11	6,043,062	03.28.00	Klippel, et al			
GC	A12	6,194,173	02.27.01	Czech, et al			
GC	A13	6,238,903	05.29.01	Krystal			
GC	A14	6,274,327	08.14.01	Hiles, et al			
GC	A15	6,291,220	09.18.01	Williams, et al			
GC	A16	6,300,111	10.09.01	Klippel, et al			
GC	A17	6,436,671	08.20.02	Domin, et al			
GC	A18	6,482,623	11.19.02	Vanhaesebroeck, et al			

## FOREIGN PATENT DOCUMENTS

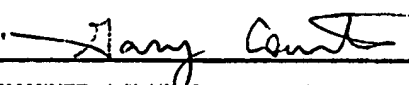
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
GC	A19	PCT/US97/18152 WO 98/15529	07.10.1997 16.04.1998	US			
GC	A20	PCT/US02/37116 WO 03/046202	20.11.2002 05.06.2003	US			
GC	A21	PCT/GB97/01471 WO 97/46688	30.05.1997 11.12.1997	GB			
GC	A22	PCT/GB01/03481 WO 02/12276	03.08.2001 14.02.2002	GB			
GC	A23	PCT/US01/17554 WO 01/92560	31.05.2001 06.12.2001	US			

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

GC	A24	Klarlund, J. et al, Signaling by Phosphoinositide-3, 4,5-Trisphosphate Through Proteins Containing Pleckstrin and Sec7 Homology Domains, <i>Science</i> , Vol 275, 1927-30 (1997)
GC	A25	Roymans, D. et al, Phosphatidylinositol 3-kinases in tumor progression, <i>Eur J Biochem</i> , Vol. 268, 487-98 (2001)
GC	A26	Franke, T. et al, PI3K: Downstream AKTion Blocks Apoptosis, <i>Cell</i> , Vol 88, 435-7 (1997)

DEC 3 2003

PTO-1449  LIST OF PRIOR ART CITED BY APPLICANT	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 22155	SERIAL NO. 09/991,933
		APPLICANT      Bethe E. Drees, et al	
		FILING DATE 11/26/2001	GROUP 1641

gc	A26	Klippel, A. et al, Activation of Phosphatidylinositol 3-Kinase is Sufficient for Cell Cycle Entry and Promotes Cellular Changes Characteristic of Oncogenic Transformation, <i>Mol Cell Biol</i> , Vol 18, No. 10, 5699-711 (1998)
gc	A27	Dowler, S. et al, Identification of pleckstrin-homology-domain-containing proteins with novel phosphoinositide-binding specificities, <i>Biochem J</i> , Vol 351, 19-31 (2000)
gc	A28	Frech, M. et al, High Affinity Binding of Inositol Phosphates and Phosphoinositides to the Pleckstrin Homology Domain of RAC/Protein Kinase B and Their Influence of Kinase Activity, <i>Journal of Biological Chemistry</i> , Vol 272, No. 13, 8474-81 (1997)
gc	A29	Phillips, W. et al, Increased Levels of Phosphatidylinositol 3-Kinase Activity in Colorectal Tumors, <i>Cancer</i> , Vol 83, No. 1, 41-47, (1998)
gc	A30	Bird, I., Analysis of Cellular Phosphoinositides and Phosphoinositols by Extraction and Simple Analytical Procedures, <i>Methods Mol Biol</i> , Vol 27, 227-248 (1994)
gc	A31	Chan, A. et al, CD7-mediated regulation of Integrin adhesiveness on human T cells involves tyrosine phosphorylation-dependent activation of phosphatidylinositol 3-kinase, <i>Journal of Immunology</i> , 159(2), 934-942 (1997)
gc	A32	Gray, A. et al, The pleckstrin homology domains of protein kinase B and GRP1 (general a/receptor for phosphoinositides-1) are sensitive and selective probes for the cellular detection of phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 3,4,5-trisphosphate in vivo, <i>Biochemical Journal</i> , 344(3), 929-936 (1999)
gc	A33	Kavran, J. et al, Specificity and Promiscuity in Phosphoinositide Binding by Pleckstrin Homology Domains, <i>Journal of Biological Chemistry</i> , 273(46), 30497-30508 (1998)
gc	A34	Piccione, E. et al, Phosphatidylinositol 3-Kinase p85 SH2 Domain Specificity Defined by Direct Phosphopeptide/SH2 Domain Binding, <i>Biochemistry</i> , Vol 32, No. 13, 3197-3202 (1993)
EXAMINER		DATE CONSIDERED
		12/28/04
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.		

DEC 1 2000

<b>Notice of References Cited</b>	Application/Control No. 09/991,933		Applicant(s)/Patent Under Reexamination DREES ET AL.	
	Examiner Gary W. Counts		Art Unit 1641	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-5,420,016	05-1995	Boguslaski et al.	435/12
	B	US-6,753,157	06-2004	Goueli, Said A.	435/7.4
	C	US-2002/0177166	11-2002	Guthridge et al.	435/7.1
	D	US-2003/0235865	12-2003	Epps et al.	435/7.1
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : US 7,067,269

APPLICATION NO.: 09/991,933

ISSUE DATE : June 27, 2006

INVENTOR(S) : Beth E. Drees, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Bibliographic Data, Section (56), "Other Publications", add the following references:

Gray, A. et al., The pleckstrin homology domains of protein kinase B and GRP1 (general a/receptor for phosphoinositides-1) are sensitive and selective probes for the cellular detection of phosphatidylinositol 3,4-bisphosphate and/or 3,4,5-phosphatidylinositol in vivo, Biochemical Journal, 344(3), 929-936 (1999).

Kavran, J. et al., Specificity and Promiscuity in Phosphoinositide Binding by Pleckstrin Homology Domains, Journal of Biological Chemistry, 273(46), 30497-30508 (1998).

Piccione, E., et al., Phosphatidylinositol 3-Kinase p85 SH2 Domain Specificity Defined by Direct Phosphopeptide/SH2 Domain Binding, Biochemistry, Vol. 32, No. 13, 3197-3202 (1993).

MAILING ADDRESS OF SENDER (Please do not use customer number below):

The McCallum Law Firm  
PO Box 929  
Erie, CO 80516

DEC 1 2006

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*